

predominantly cloudy

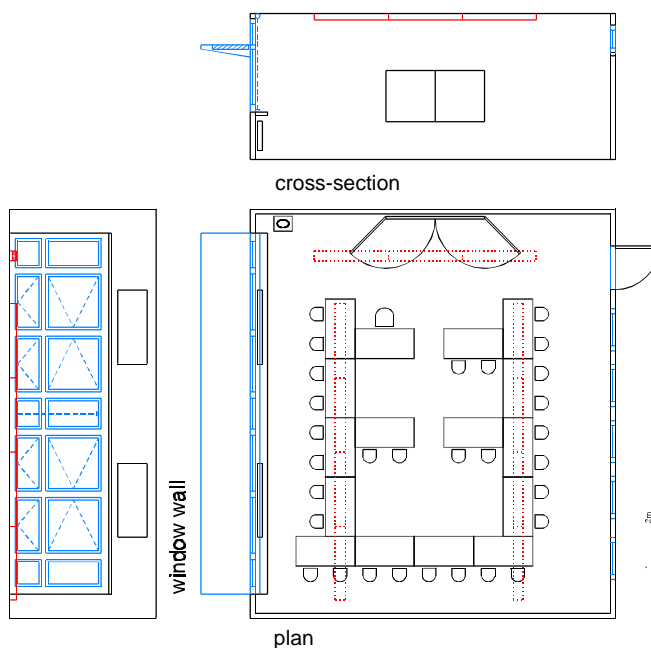
Cross-section: The old building is on the right, the new part of the school is shown on the left. Floorplan: Third story of the secondary school in Zehdenick.



Classroom in the vocational college of Zehdenick. The fixed exterior shade is designed to protect from high angle incident sunlight in summer. The movable interior blind protects from glare.



Detail of the exterior sunshade situated at the window transom.



building data

size	6 900 m ²
number of stories	4
architect	IBUS
daylight consultant	IBUS
year of completion	1997

classroom

daylight strategy	bilateral, sidelighting
dimensions (depth/width/height)	7,1 m / 8,1 m / 3,0 m
room area	57,8 m ²
floor	blue linoleum, 23%
wall	white paint, 85%
side wall to atrium	concrete, 52%
blackboard	green coating, 11%
ceiling	white paint, 85%
table	timber veneer, 23%
south facing window	double, low-E
north facing window	single clear glazing
atrium glazing	double, low-E, fixed lamellas in the cavity of the glass
lamp types	fluorescent lamps
installed power density	10 W/m ²
control strategy	manual dimming and switching

facade	South-facade		North-facing interior window	
	South-facade		North-facing interior window	
data	orientation	205°	25°	
	glazed area	11,3 m ²	4,8 m ²	
	opening index	0,47	0,2	
function	daylighting	●	●	
	view outside	●	●	
	ventilation	●	-	
	operable	●	-	
	shading	●	-	
function systems	redirection	□	-	
location	sun shading	●	●	
	glare protection	□	●	
	redirection	□	-	
	inside	□	●	
	window pane	□	-	
	outside	●	-	
location	movable	-	●	
	fixed	●	-	